

CLAIM SET AS AMENDED

1. (Currently Amended) A method for storing loads (P), ~~especially cylindrical objects~~
such as paper rolls, comprising the steps of:

~~in a~~ providing a storage apparatus (1), and a load manipulating device;

~~where the loads are brought~~ bringing in and stored storing the loads in the storage
apparatus, and from where taking out the loads are taken out from the storage apparatus by
means of a ~~the~~ load manipulating device for further processing, c h a r a c t e r i z e d i n
that;

providing at least two separate carriage units, each having at least one lifting unit; and
moving the lifting units of the at least two separate carriage units in an at least a
substantially synchronized manner relative to each other in order to move at least one load
(P) at a time is moved into the storage apparatus and/or out of the storage apparatus by
~~means of at least two separate carriage units (10) working in an at least substantially~~
~~synchronized manner relative to each other, which together move the at least one load.~~

2. (Currently Amended) ~~Method~~ The method according to claim 1,
~~e h a r a c t e r i z e d i n t h a t~~ further comprising:

moving the lifting units of the at least two carriage units together in order to move the
at least one load (P) is moved from a the load manipulating device (2), such as a stacker, by
at least two carriage units (10) together to a given storage location of the storage apparatus.

3. (Currently Amended) ~~Method~~ The method according to claim 1, ~~e h a r a c t e r i z e d~~ in that further comprising:
moving the lifting units of the at least two carriage units together in order to move the
at least one load (P) ~~is moved from the~~ a given storage location of the storage apparatus to
the load manipulating device ~~(2), such as a stacker, together by at least two carriage units~~
(10).

4. (Currently Amended) ~~Method~~ The method according to ~~any one of claims~~ claim 1,
~~e h a r a c t e r i z e d~~ in that further comprising:
lifting and/or lowering the lifting units of at the least two carriage units in a mutually
synchronized manner in order to lift and/or lower the load (P) ~~is lifted and/or lowered~~
from/into ~~the~~ a given storage location of the storage apparatus ~~by at least two carriage units~~
(10) ~~working in a mutually synchronized manner.~~

5. (Currently Amended) ~~Method~~ The method according to ~~any one of claims 1~~ claim
1, ~~e h a r a c t e r i z e d~~ in that, ~~when necessary,~~ further comprising:
moving the carriage units (10) ~~can be moved without a~~ the at least one load (P) from
under the at least one load (P), ~~at least when the~~ at least one load is in the a given storage
location of the storage apparatus.

6. (Currently Amended) ~~Apparatus~~ An apparatus for storing loads (P), especially cylindrical objects such as paper rolls, in a storage (1), comprising:

a storage apparatus;

a load manipulating device for bringing and storing where the loads into the storage apparatus are brought in and stored and for taking out from where the loads from the storage apparatus are taken out by means of a load manipulating device for further processing;
~~characterized in that the apparatus comprises; and~~

at least two separate carriage units (10) each having a lifting element, the lifting elements working in an at least substantially synchronized manner relative to each other, and the lifting elements which are being arranged to move together to move at least one load (P) together when necessary.

7. (Currently Amended) ~~Apparatus~~ An apparatus according to claim 6, ~~characterized in that~~ wherein each of the carriage unit (10) comprises units includes one or more at least one of the lifting elements element (11).

8. (Currently Amended) ~~Apparatus~~ An apparatus according to claim 6, ~~characterized in that~~ wherein each of the the carriage unit (10) units can be moved at least partially under the load (P), at least when the load is resting on a seat (20).

9. (Currently Amended) ~~Apparatus~~ An apparatus according to ~~any one of claims 6~~
~~claim 6, characterized in that wherein the two carriage units (10) have been~~ are
arranged to operate in pairs as a pair.

10. (Currently Amended) ~~Apparatus~~ An apparatus according to ~~any one of claims 6~~
~~claim 6, characterized in that the apparatus comprises~~ further comprising:

means for positioning the carriage units (10) at least when ~~they~~ the carriage units are
retrieving a load (~~P~~) from a storage location and/or ~~taking~~ bringing a load into a ~~the~~ storage
location.

11. (New) The method according to claim 1, wherein the loads are paper rolls.

12. (New) The method according to claim 1, wherein the load manipulating device is
a stacker.

13. (New) The method according to claim 1, further comprising:

lifting the lifting units of at the least two carriage units in a mutually synchronized
manner in order to lift the at least one load off a seat.

14. (New) The apparatus according to claim 6, wherein the loads are paper rolls.

15. (New) The apparatus according to claim 6, wherein the load manipulating device is a stacker.

16. (New) The apparatus according to claim 6, wherein lifting units of at the least two carriage units move up in a mutually synchronized manner in order to lift the at least one load off a seat.